KONOVALOVA, G. F.

35494. Tuberkulinoterapiya pri tuberkulesnykh sabolevaniyakh. Glas. Trudy sev. -oset. Gos. Med. In-ta, vyp. 4, 1949, c. 170-73.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

35564 KONOVALOVA, G. F. Primeneniye Penitsillina v Glaznov Praktike. Trudy sev.-eset.
Gos. Med. In-ta, vyp. 4, 1949, c. 196-201

SO: Letopis Zhurnal'nykh Statey, Vol. 45, 1949

"APPROVED	FOR	RELEASE:	06/19	/2000

#### CIA-RDP86-00513R000824330006-5

Nosowe Dom nauchno-techni Norcye v takinologii vysoko spornik trudov konferent High productivity Scheel short trudov konferent High productivity Scheel short trudov konferent Edel v.D. Gololey, Candidate Publishing House O.N. Ye.M. Lannkoy, Candidate Publishing House O.N. Wanaging Ed. for itserate Ye.M. Lannkoy, Candidate Publishing House O.N. Wanaging Ed. for itserate S.Te. Golovin, Englasser, Puppozzi. This collection of some current problems in a perceasing methods structure suddents of vires and set processes and describe with the se processes and describe six the use of the articles desired in the Automatic he articles desired in the Automatic he articles are mention the articles in the Automatic he articles of the forwing Nikolayev, U.D., and B.V. Sikolayev, U.D. Sarged parts and acrep Arangement and operation acribed complemental and acrep Sikolayed parts and acrep Arangement and operation acribed complements and acrep Sikolayed Complements and acrep Sikolayed Complements and acrep Arangement and operation and press for Mequise Sikolaye Arangement and operation and press for Medulas Sikolaye Arangement and press for Requise and Sixolaye Arangement and proper in and press for Medulas Sikolaye Arangement and proper in and press for Medulas Sikolaye Arangement and pre	COUNTY TO A STATE AND A SERVICE AND A SERVIC	Dom nauchno-tekhnicheskoy propagandy izeni F.R. Dz	akhnologii vysokoproizvodiel'nov listovoy shtampowij trudov konferentsii (kew Festures in the Methods of oductivity Sneet Metal Stamping; Collection of Confer- acations) Moscow, Mangiz, 1959. 228 p. 8,000 printed.		Resp. Ed.; V.T. Meahcherin, Doctor of Technical Sciences, Professor; D. Zan; V.D. Octoviev, Candidates of Technical Sciences, Docset, and Yes. M. Lanskoy, Candidate of Technical Sciences, Docest, Ed. Philathanks House: 0.N. Scholev; Technical Sciences, Docesti Ed. of Managing Ed. for Literature on Meny Machine Building (Machine): S.Te. Octovin, Ed. for Literature on Meny Machine Building (Machine):	,	COVERACE: This collection deals with the design and features of some current problems in abset metal stage. Also discussed are processing methods still in the experimental stage. Several articles deal with the methods and and articles deal with the methods and and articles and describe recently developed methods, such as exploaden forming, the use of automatic rotary transfer line, and press blocking with the use of radioactive isotopes. No personalities are mentioned, References follow several of the articles.	Arren'yev, S.I. [Engineer, Gorkity Mocor Vehicle Plant]. New Features in the Automation of Sheer Metal Stamping at the Gorkity Motor Vehicle Plant The Stitle discusses devices for automatic removal of formed parts from the press, devices for automatic feed- ing of sheet metal into the dis, and devices for complete automation of the forming process.	Mikolayev, V.V., and B.V. Sorgath lavtosayod immilithacheva, Honkva (Moscow Motorewchtte Plant immilithacheva, Honkva (Moscow Motorewchtte Plant immilithachev.) Experience of the Motor Wahlele Plant immilithachev. with High-productivity Progressive Die Sers Compound, combination, and progressive die sers with rectilines and extremiar feeding morion of blanks are described. Mothanization of feeding and removal of stamped parts and screp are discussed.	Elifin, 1.5. [Engineer, Zavod "Krannaya Zarya," Laningrad (Chingrad "Red Sunries" Plant)]. Transfer Machine for Mixing Contect Springer of a universal transfer machine for making springs for flar tenays is a described. Reduction in costs, the, and man-hours are shown	Konowalova II. [Engineer, Zavod 'Metalloizdeliye, Leningrad (Lmingrad Metal Perducts Plant)]. Transfer Machines for Making Safety-react Blades   Transfer Machines for The Teatraing processes and machinery for automatic lines are described, and information on tool life, hear treatment, grinding, and packing of blades is given.	Lenakoy, Ye.N. [Candidate of Technical Sciences, Docent, Moscov Menfine Tool and Instrument Institute]. Selection of a Crank Press for Required Force and Work Parameters. The author discusses flywheal effect, the meaning of nord, and force (capacity), the magnitude of force at various angles of the crank, the work delivered by motor for selecting the proper press for a given stamping operation are presented.	AVAILABLE: Library of Congress	00/4jr 10-21-59	
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ALEKSEYEVA, Ye.A., inzh.; GRUZDOV, A.P., inzh.; IL'IN, Ye.P., inzh.; KONOVALOVA.

I.N., inzh.; MAKSIMOVA, O.V., inzh.; SHTREMEL!, M.A., inzh.

Temperature dependence of elastic properties of thin-sheet spring alloys. Priborostroenie no.9:25-27 S \*65.

(MIRA 18:10)

BOTVINIK, M.M.; KONOVALOVA, I.M.

Reactions of N-imidazolacyl derivatives of histidine with serine derivatives. Zhur. ob. khim. 35 no.6:1123 Je 165.

(MIRA 18:6)

ACC NR. AP5028963

SOURCE CODE: UR/0119764/000/00970025/0027

AUTHOR: Alckseyeva, Ye. A. (Engineer); Gruzdov, A. P. (Engineer); Il'in, Ye. P. (Engineer); Konovalova, I. N. (Engineer); Maksimova, O. V. (Engineer);

Shtremel', M. A. (Engineer)

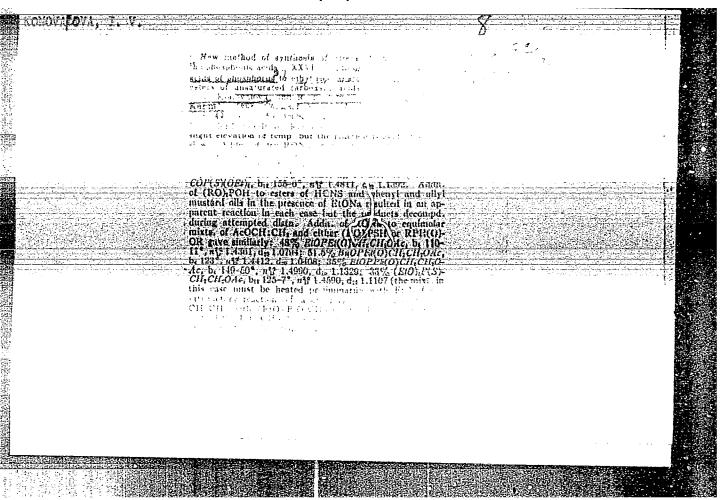
ORG: none

TITLE: Effect of temperature on elastic properties of thin-sheet spring alloys

SOURCE: Priborostroyeniye, no. 9, 1964, 25-27

TOPIC TAGS: spring, measuring instrument, industrial instrument

ABSTRACT: The results are reported of measurements of the elastic limit o (with residual strains of 0.01 and 0.005%) and elasticity modulus E in bending of 85-120-micron thick specimens (10x 100 mm) of BrOF6, 5-0, 15, BrKMTs 3-1, BrB2, BrBNT 1, 9 bronzes, 6052, E1814 steels, and N36KhTYuM8 zlloy at temperatures that ranged from -70C to +150 or +500C. Also, the ultimate strength of and the yield point c, of 0.1x10-mm 57-mm long specimens were determined. All specimens were thermally treated according to specifications normally used in the



PUDVIK, A.N.; KORCYALOVA, I.V.

New method for the synthesis of phosphinic and thiophosphinic anids.
Part 28: Reaction of incomplete phosphorous acid esters with

-unsaturated cyclic ketones and cyclohexenol acetate. Zhur.

ob.khim. 27 no.6:1617-1621 Jp '57. (!lR 10:7)

1.Kazanskiy gosudarstvennyy universitet.

(Phosphorous acid) (Cyclohexenol) (Ketones)

AUTHORS:

Pudovik, A. N., Konovalova, I. V.

79-28-5-16/69

TITLE:

A New Method of Synthesis of the Esters of Phosphinic and Thiophosphinic Acids (Novyy metod sinteza efirov fosfinovykh i tiofosfinovykh kislot) XXIX. Addition of Dialkylphosphorous Acids to the Esters of the Vinyl-Alkrylic- and Sorbic Acid, as Well as to the 3,5-Heptadienone-2 (XXIX. Prisoyedineniye dialkilfosforistykh kislot k efiram vinilakrilovoy, sorbinovoy

kislot i 3,5-geptadiyenonu-2)

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 5,

pp<sub>0</sub> 1208 - 1211 (USSR)

ABSTRACT:

In continuation of earlier papers (Reference 1) the authors describe the results of the addition reactions of dimethyl-phosphorous and diethylphosphorous acids to the esters of the  $\beta$ -vinylakrylic- and sorbicacids, to 3,5-heptadienone-2, and to the diethylester of butadienephosphinic acid. Alkali alcoholates were used as catalysts in these reactions. All reactions take a vigorous course and are accompanied by a considerable heat effect. Products of the addition of one or two molecules were obtained as result of the addition of diethyl-phosphorous acid (in excess) to the ethylester of  $\beta$ -vinylakrylic

Card 1/3

79-28-5-16/69

A New Method of Synthesis of the Esters of Phosphinic and Thiophosphinic Acids. XXIX. Addition of Dialkylphosphorous Acids to the Esters of the Vinyl-Alkrylic- and Sorbic Acid, as Well as to the 3,5-Heptadienone-2

acid, namely: the ethylesters of 4-(diethylphosphonium)butene--2-carboxylic acid (formula I of scheme 1) and 2,4-di-(diethylphosphonium) butanecarboxylic acid (II). The structure of (I) was hardened by ozonization and decomposition of the ozonides. The binding of diethylphosphorous acid to the ethylsorbinate also leads to the formation of two products (III and IV of scheme 2). Product (III) contains a double bond and represents a product of the addition of a molecule of diethylphosphorous acid. From the obtained ozonization results could be concluded that (III) represents mainly a 7,8-product of the addition, which contains the forms  $\alpha,\beta$ - or  $\alpha,\delta$ -(or both together). Product (IV) does not contain a double bond and represents an addition product of two molecules of diethylphosphorous acid to 3,5- ethylsorbinate. In the case of the addition of diethylphosphorous acid to 3,5-heptadienonecompound (V) with a double bond resulted. By ozonization -2,

Card 2/3

79-28-5-16/69

A New Method of Synthesis of the Esters of Phosphinic and Thiophosphinic Acids. XXIX. Addition of Dialkylphosphorous Acids to the Esters of the Vinyl-Alkrylic-and Sorbic Acid, as Well as to the 3,5-Heptadienone-2

and further treatment of the ozonides this formula was proved.

There are 2 references, which are Soviet.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet (Kazan' State Uni-

versity)

SUBMITTED: May 3, 1957

Card 3/3

\$/079/60/030/007/014/020 B001/B067

AUTHORS:

Pudovik, A. N., Konovalova, I. V.

TITLE:

A New Method of Synthesizing the Esters of Phosphinic and Thiophosphinic Acid.\XXXIV.Addition of Dialkyl Thiophosphorous Acids and Acid Esters of Ethyl- and Fhenyl Phosphinic Acid to Unsaturated Hydrocarbons

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 7,

pp. 2348 - 2352

TEXT: In continuation of their earlier paper (Ref. 1) the authors studied the addition reactions of dialkyl thiophosphorous acids and acid esters of alkyl- and aryl phosphinic acids. They proceeded from diethyl-, di-n-propyl-, diisopropyl-, di-n-butyl thiophosphorous acid, from methyl-, ethyl-, butyl ester of ethyl phosphinic acid, and from methyl-, ethyl ester of phenyl phosphinic acid. The addition was made to hydrocarbons of the aliphatic series, from heptene-1 to undecene-1, and to cyclohexene. The reactions took place under irradiation of the reaction mixtures with a mercury-quartz lamp or under heating in the presence of

Card 1/3

CIA-RDP86-00513R000824330006-5"

A New Method of Synthesizing the Esters of S/079/60/030/007/014/020 Phosphinic and Thiophosphinic Acid. XXXIV. B001/B067 Addition of Dialkyl Thiophosphorous Acids and Acid Esters of Ethyl- and Phenyl Phosphinic Acid to Unsaturated Hydrocarbons

benzoyl peroxide. In both cases, the same alkyl thiophosphinates, dialkyl phosphinates, and the esters of alkyl-phenyl phosphinic acids were obtained with yields of 40-65%. A scheme of the reaction course is given. The reactions (1-3) show the initiation process and the growth of the chain, as well as the formation of the addition product. Reaction (4) causes the formation of the polymer residue at the expense of further telomerization. At an equivalent ratio of the initial reagents the polymeric residue is formed in a quantity of 10-15% of the addition product. It was shown that the dialkyl thiophosphorous acids and the acid esters of phosphinic acids add to olefins even without catalysts; a prolonged heating at 135-140° is sufficient. The addition products which were obtained by irradiation on the one hand and by the presence of benzoyl peroxide on the other are identical. The reaction rate in the case of cyclohexene was characterized by a change in concentration of the acid in the reaction mixture. It was shown that with increasing radical the phosphinate yield is gradually and slowly reduced (Fig. 1). Card 2/3

APPROVED FOR RELEASE: 06/19/2000

A New Method of Synthesizing the Esters of S/079/60/030/007/014/020 Phosphinic and Thiophosphinic Acid. XXXIV. B001/B067 Addition of Dialkyl Thiophosphorous Acids and Acid Esters of Ethyl- and Phenyl Phosphinic Acid to Unsaturated Hydrocarbons

The alkyl thiophosphinates, dialkyl phosphinates, and alkyl-phenyl phosphinates are characterized in Tables 1 and 2. The acids obtained from them by saponification are given in Table 3. On the basis of the experimental results the authors arrived at the conclusion that the addition of dialkyl thiophosphorous acids to olefins in both cases does not proceed according to the Markovnikov rule but to the radical mechanism (Scheme 2). There are 2 figures, 3 tables, and 2 Soviet references.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet (Kazan' State University)

SUBMITTED: July 6, 1959

Card 3/3

KONOVALOVA, I. V.

Cand Chem Sci - (diss) "Addition of unsaturated /nepolnyye7 esters of phosphorus acids to non-saturated electrophilic compounds and non-saturated hydrocarbons." Kazan', 1961. 12 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kazan' Chemical Technology imeni S. M. Kirov); 150 copies; price not given; (KL, 7-61 sup, 222)

PUDOVI, A.N.; KONOVALOVA, I.V.

New method of synthesizing esters of phosphinic and thiophosphinic acids. Part 35: Addition of phosphorus pentochloride to diene hydrocarbons and of partial esters of phosphorus acids to butadiene-phosphinic esters. Zhur.ob.khim. 31 no.4:1693 1699 My 161.

(MIRA 14:5)

1. Kasanskiy gosudarstvennyy universitet.
(Phosphinic acid)

25367

S/079/61/031/008/005/009 D215/D304

15.8150

AUTHORS:

Pudovik, A.N., Konovalova, I.V., and Durova, O.S.

TITLE:

A new synthesis method of phosphinic and thiophosphinic acids and esters. Addil. Synthesis of unsaturated phosphonic

and thiophosphonic acids esters

PERIODICAL:

Zhurnal obshchey khimii, v. 31, no. 8, 1961, 2656-2661

TEXT: This study is a continuation of previous investigations, in which it was found that derivatives of unsaturated acids of phosphorus can be obtained by adding to their incomplete esters acetylene compounds, activated with some electron repellent groups in presence of an alkaline catalyst. In this work it is shown that this method may be applied to acetylene compounds directly in conditions stimulating the mechanism of free radicals chain addition. As incomplete esters of phosphorus acids, the following compounds were used: dimethyl and diethyl-phosphorous acid esters, diethyl and di-isopropylthiophosphorous acid esters, and ethyl and isopropyl ethyl phosphonic acid esters. The addition of these

Card 1/5

esters to heptyne-1 and octyne-1 was carried out by irradiating the

25367

S/079/61/031/008/005/009 D215/D304

A new synthesis method ...

reaction mixture with ultra-violet light or in presence of hezoylcorrespond to initiation chain-growing and the formation of the addition product; N(4) - formation of the polymerization product. In both synthesis reactions (irradiation or henzoylperoxide), the same products - esters

of alkenyl phosphoric or alkenylthiophosphonic acids were obtained,

Card 2/5

peroxide. The chain reaction is illustrated by the following reactions.
(1), (1a), (2) and (3)

RO,

RO,  $\frac{\text{RO}}{\text{N}}$ PXII +  $hv \rightarrow \frac{\text{RO}}{\text{NO}}$ PX. + H.  $(C_6H_5COO)_2 \longrightarrow C_6H_5COO + CO_2 + C_6H_5$  $C_6H_2COO. + \frac{RO}{R}$ PXH  $\rightarrow \frac{RO}{R}$ PX. +  $C_6H_2COOH$  $R''-C \equiv CH + \frac{RO}{R'}PX' \rightarrow R''-C' = CH-PX(OR)R'$  $R''-C'=CH-PX(OR)R'+\frac{RO}{PXH}$ R"-CH=CH-PX(OR)R'+ RO PX LF-A. ele

25367

S/079/61/031/008/005/009 D215/D304

A new synthesis method...

Abstractor's note: British nomenclature of phosphorus organic compounds is used: "onic" for quinquevalent and "inic" for tervalent P with a yield of 25-50%, the esters being mobile, colorless liquids, sparingly soluble in water, highly soluble in organic solvents. Their characteristics are given in tabulated form. The structure of addition products was proved by the oxidation of the diethyl ester of hephenylthiophosphonic acid with KMn O<sub>4</sub>, when n - caproic acid was obtained.

The authors investigated the addition reaction velocity of heptyne-1 to acidic ethylesters of phosphorous, thiophosphorous and ethylphosphinic acids; they found that the velocity of reaction decreased in the following series:

$$(c_2^{\text{M}_5^0})_2^{\text{PSH}} \xrightarrow{c_2^{\text{H}_5^0}} \xrightarrow{\text{POH}} (c_2^{\text{H}_5^0})_2^{\text{POH}}$$

The obtained results prove that the investigated reactions take place through free radicals chain mechanism and against Markownikoff's rule Card 3/5

25367

S/079/61/031/008/005/009 D215/D304

A new synthesis method...

[Abstractor's note: His name is written thus in technical literature]. The velocity of addition reactions of the above-mentioned esters with heptane-1, heptyne-li and phenylacetylene decreases as follows: heptane-1 heptyne-l phenyl-acetylene. The velocity of reactions are given graphically. It is seen that the velocity of reaction with benzoylperoxide is quite similar to that which is carried out by irradiation and that the addition reaction with phenylacetylene is much slower than others. The yield of the last reaction was very low, due to the resinification of reagents. The obtained product: diethylester of eta -phenylvinylthiophosphonic acid was described by previous investigators, but its constants given by them differ from those found by the authors; the previously published constants were erroneous because MR based on the given data is markedly different from the calculated one. The authors carried out the synthesis of di-phosphonic derivatives by adding di-ethylphosphorous and di-ethylthiophosphorous acids to the diethylester of heptenylthiophosphonic acid, in the presence of sodium ethoxide, the reaction being an ionic one. The reaction products are thick, colorless liquids,

Card 4/5

PUDOVIK, A.N.; KONOVALOVA, I.V.; ISHMAYEVA, E.A.

New method of synthesizing phosphinic and thiophosphinic acid esters. Part 37: Addition of nucleophilic reagents to butadiene— and methylbutadienephosphinic esters. Zhur. ob. khim. 32 no.1:237-241 Ja '62: (MIRA 15:2)

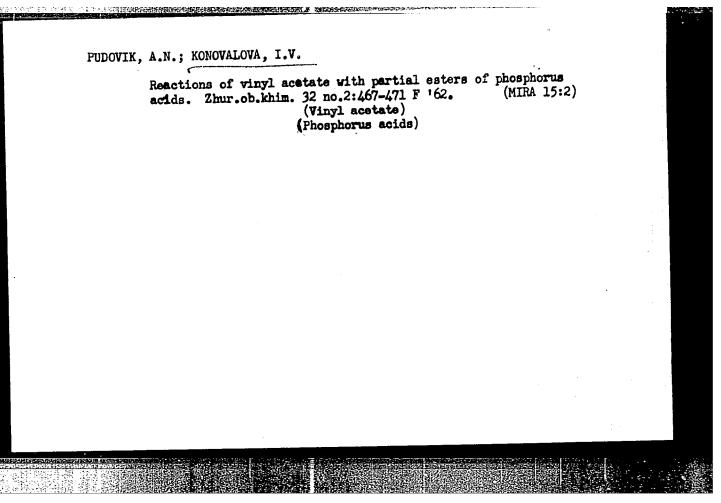
1. Kazanskiy gosudaratvennyy universitet.
(Phosphinic acid)

PUDOVIK, A.N.; KONOVALOVA, I.V.; DUROVA, O.S.

CHRISTIAN STREET, STRE

New method of synthesizing esters of phosphinic and thiophosphinic acids. Part 38: Synthesis of esters of unsaturated phosphinic and thiophosphinic acids. Zhur.ob.khim. 31 no.8:2656-2661 Ag '61. (MIRA 14:8)

1. Kazanskiy gosudarstvennyy universitet.
(Phosphinic acid) (Phosphinothicic acid)



PUDOVIK, A.N.; KONOVALOVA, I.V.

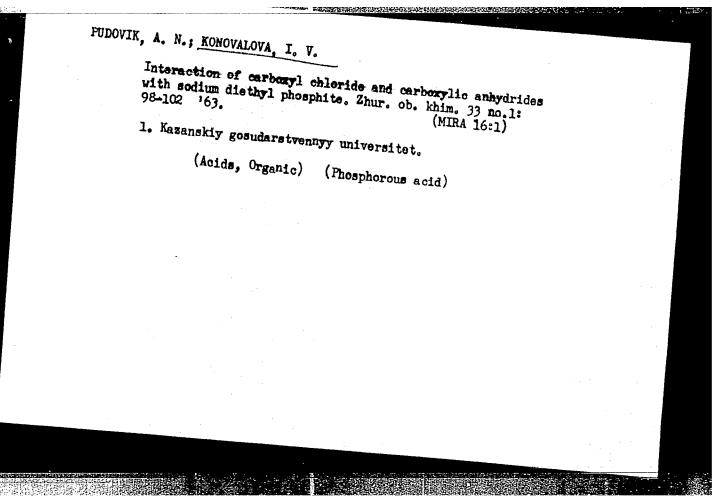
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Regrouping of methyldi-(diethylphosphone)-carbinol.

AN SSSR 143 no.4:875-878 Ap '62.

OMIRA 15:3)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. Predstavleno akademikom B.A.Arbuzovym. (Phosphinic acid) (Phosphorus acids)



PUDOVIK, A.N.; KONOVALOVA, I.V., DEDOVA, L.V.

Rearrangement of esters of hydroxymethyl (diethylphosphone)
acetic acid. Zhur.ob.khim. 32 no.22483-486 F '63.

(MIRA 16:2)

1. Kazanskiy gosudarstvennyy universitet.

(Acetic acid) (Rearrangements (Chemistry))

THE POPULATION OF THE PROPERTY OF THE PROPERTY

PUDOVIK, A.N.; KONOVALOVA, I.V.

Synthesis of styrene and its homologs by pyrolysis of phosphates. Dokl. AN SSSR 149 no.5:1091-1094 Ap 163. (MIRA 16:5)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. Predstavleno akudemikom B.A.Arbuzovym. (Styrene) (Phosphates)

PUDOVIK, A.N.; KONOVALOVA, I.V.; ISHMAYEVA, E.A.

Reactions of the diene synthesis and addition of butadienephosphinic and butadienethiophosphinic esters. Zhur. ob. khim. 33 no.8: 2509-2513 Ag '63. (MIRA 16:11)

1. Kazanskiy gosudarstvennyy universitet.

(MIRA 16:11)

# PUDOVIK, A.N.; KONOVALOVA, I.V.

Transformations of allylphosphinic esters in the presence of sodium ethylate. Zhur.ob.khim. 33 no.10:3442-3443 0 163.

1. Kazanskiy gosudarstvennyy universitet.

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PUDOVIK, A.N.; KONOVALOVA, I.V.; DEDOVA, L.V.

Rearrangement of  $\alpha$ -oxyphosphinic and  $\alpha$ -oxythiophosphinic esters to phosphinates and thiophosphates. Dokl. AN SSSR 153 no.3:616-618 N 163. (MIRA 17:1)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina. Predstavleno akademikom B.A. Arbuzovym.

L 18279-65 EMT(m)/EPF(c)/EMP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5002985

s/0079/64/034/009/2902/2905

AUTHOR: Pudovik, A. N.; Konovalcva, I. V.; Dedove, L. V.

TITLE: Heaction of dialkylthiophosphorus acids with certain carbonyl-containing

SOURCE: Zhurnal obshchey khimii, v. 31, ro. 9, 1961, 2902-2905

Abstract: Reactions of dialkylthiophosphorous acids with carbonyl compounds were studied as a comparison with previous studies of the reactions of dialkylphosphorous acids with acetophosphinic and pyruvic esters and acetophenone in the presence of an alkaline catalyst, which were accompanied by rearrangement of the alpha-hydroxyalkylphosphinic esters formed in the of replacement of the phosphinic group by the less electronegative throphosphinic group on these reactions. The esters of alpha-hydroxy-alpha-methyl phosphinic, and alpha-hydroxy-alpha-acetoethylthiophosphinic acids formed in the addition of dialkylthiophosphorous acids to the ethyl ester of pyruvic Card 1/2

L 18279-65 ACCESSION NR: APSO029 85

are rearranged during the reaction to dialkyl (alpha-carbethoxyethyl) thiosphosphates, diethyl (alpha-diethylthiophosphone) ethyl phosphate and diethyl-alpha-acetoethyl thiophosphate. In the reaction of diethylthiophosphorous acid with acetophenone, the diethyl ester of alpha-hydroxy-alpha-phenylethylphosphinic acid was formed in only a small yield, most of it decomposing to the starting materials upon distillation. It was concluded that replacement of the phosphinic group by the thiophosphinic group, exhibiting a smaller induction effect as a result of the lower electronegativeity of sulfur in comparison with oxygen, exerts a substantial influence on the ability of alpha-hydroxythiophosphinic esters for rearrangement. Orig. art. has 7 formulas and 1 table.

ASSOCIATION: Knzanskiy gosudarstvennyy universitet (Kazan' State University)

SUPPLITTED: OLJu163

ENGL: 00

SUB CODE: OC, GC

NO REF SOV: OOS

OTHER: 000

JPRS

Card 2/2

PUDOVIK, A.N.; KONOVALOVA, I.V.; DEDOVA, L.V.

Reactions of dialkylphosphothious acids with some carbonyl-containing compounds. Zhur. ob. khim. 3% no.9:2902-2905 S '64.

Interaction of phosphinic acid ethers with pyruvic ester and acetophenone. Ibid.:2905-2907 (MIRA 17:11)

1. Kazanskiy gosudarstvennyy universitet.

L 18277-65 EWT (m)/EPF(c)/FAP(j) Pc-4/Pr-4/Pa-4 RM

ACCESSION NR: AP5002986

5/0079/64/034/009/2905/2907

AUTHOR: Pudovik, A. N.; Konovalova, I. V.; Dedova, L. V.

TITLE: Reaction of incomplete esters of phosphinous acids with pyruvic ester and acetophenous

SOURCE: Zhurnal obshchey khimii, v. 34, no. 9, 1964, 2905-2907 TOPIC TEGS: ester, phosphinic acid, pyrolysis, polystyrene Abstract: The addition of incomplete esters of ethylphosphinous acid to the ethyl ester of pyruvic acid and acetophenone in the presence of sodium alcohorate was studied. The alkyl esters of ethyl-alpha-hydroxy-alphacarbethoxyethylphosphinic and (alpha-hydroxy-alpha-phenylethyl) ethylphosphinic acids formed were found to be rearranged during the reaction to alpha-carbethoxyethylalkyl and alpha-phenlethylalkyl esters of ethylphosphinic acid. Pyrolysis of the (alita-phenylethyl)ethyl ester of ethylphosphinous acid at 1706 at a residual nessure of 25 mm resulted in the form tion of styrene in 76% yield. Orig. art. has 7 formulas and 1 table. ASSOCIATION: Kazanskiy gosudarstvennyy universitet (Kazan! State University) SUBLITTED: Oldul63 ENCL: 00 SUE CODE: OC, GC NO REF SOV: C72 OTHER: 000

Card 1/#

EPF(c)/EWP(j)/EWT(m) Pc-4/Pr-4 RM 90,70000 114 1 14 10 1 1781.2 1<del>28</del>40 4.75011033 Lievik, A. N.; Konovalova, I. V. are turn of trialkyl phosphites with esters of minima and mesoxalic po ovi insceney Phimii, v. 24, co. 11, 1 mai War Star and organic phosphorus compound, ester, thermochemistry a rearrant of trialkyl panaphires with the particles and the say frame to proceed in two directions at the east of a states, rich of the or two molecules of the output Kr. - attalxoxyethyl prosphates a plice of the control of the contro Lite talkoxy-1,2,3-dioxaphosony a each common second common second The trialry: phosphites reached the control of the forming dialkyl-alpha, a pha dilas simbayathyk phosphates mushion of eyeste compounds of the dioxephospholose have was phase ed to orig. art. has 2 formulas.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824330006

Card 2/2 / /

PUDOVIK, A.N.; KONOVALOVA, I.V.; BANDEROVA, L.V.

Reaction of phosphorus ester acids with ethyl mesoxalate.

Zhur. ob. khim. 35 no.7:1206-1209 Jl '65. (MIRA 18:8)

1. Kazanskiy gosudarstvennyy universitet.

PUDOVIK, A.N.; KONOVALOVA, 1.V.

Reactions of esters of trivalent phosphorus scids with esters of pyruvic acid. Zhur. ob. khim. 35 no.9;1591-1595 S '65.

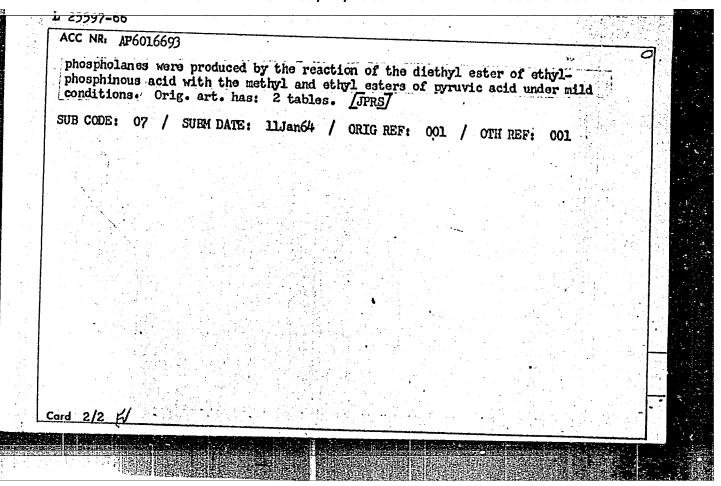
1. Kazanskiy gosudarstvennyy universitet.

(MTRA 18:10)

# "APPROVED FOR RELEASE: 06/19/2000 CIA

#### CIA-RDP86-00513R000824330006-5

L 25597-66 EWT(m)/EWP(j) ACC NR. AP6016693 SOURCE CODE: UR/0079/65/035/009/1591/1595 AUTHOR: Pudovik, A. N.; Konovalova, I. V. 20 ORG: Kazan' State University (Kazanskiy gosudarstvennyy universitet) B TITIE: Reactions of complete esters of acids of trivalent phosphorus with esters SOURCE: Zhurnal obshchey khimii, v. 35, no. 9, 1965, 1591-1595 TOPIC TAGS: ester, phosphate, organic phosphorus compound ABSTRACT: The reactions of the methyl and ethyl esters of pyruvic acid with trimethyl and triethyl phosphites were found to depend greatly on the reaction. conditions. Under mild conditions (-10 to 0°), high-boiling products (2,2,2-trialkoxy-4,5-dimethyl-4,5-dicarbalkoxy-1,3,2-dioxaphospholanes) were formed in 70-80% yield, along with only very negligible amounts of low-boiling compounds. Under more rigorous conditions, at 1000, the reaction of trialkyl phosphites with pyruvic esters was found to proceed in two directions forming up to 30% low-boiling products (dialkyl-alpha-alkyl-alpha-carbalkoxyethyl phosphates) and only 40% of the 1,3,2-dioxaphospholanes. A reaction mechanism is proposed, involving attack of phosphite on the electrophilic carbon atom of the carbonyl group of pyruvic ester, with intramolecular rearrangement of the bipolar ion, followed by stabilization of the ion formed in two ways. 2,2-Diethoxy-2-ethyl-4,5-dimethyl-4,5-dicarbalkoxy-1,3,2-dioxa-<u>Card</u> 1/2



	Con	putation of	perpetual	current tables.	Trudy CODI	ma 41.122	:
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BUI!YKH, Ye.B.; KOLOBOV, V.M.; SKOTHIKOV, Yu.A.; TIKHONOVICH, S.S.; SHEPOVALOV, T.I.; KOHOVALOVA, K.A., redaktor; RODIOHOV, Yu., redaktor; LIL'YE, A., teknnicheskiy redaktor

[Memorable places in Moscow Province] Pamiatnye mesta Moskovskoi oblasti; kratkii putevoditel'. Isd. 2-e, dop. i perer. Sost. R.B. Burykh i dr. [Moskva] Moskovskii rabochii, 1956. 606 p. (NIRA 9:7)

1. Moscow. Oblastnoy krayevedcheskiy musey. 2. Zamestitel' predsedatelya Moskovskogo oblastnogo obshchestva krayevedeniya (for Konovalova)

(Moscow Province--Historic houses, etc.)

BURYKH, Ye.B.; D'YAKONOV, M.V.; KCLOBOVA, M.I. [decensed]; KCLOBOV, V.M.;

KCHOVALOVA, K.A.; POPATEYKIN, V.I.; SKOTHIKOV, Yu.A.; TIKHONOVICH,

S.S.; SHEPOVATAV, T.I. Prinimsli uchastiye YUH'YEVA, N.P.;

POLYAK, Ye.V. SULTANOVA, N., red.; YAKOVLEVA, Ye., tekhn.red.

[Memorable places in Moscow Province; a concise guidebook] Pamiatnye mesta Moskovskoi oblasti; kratkii putevoditel. Izd.3.. dop. 1 perer. Sost.E.B.Burykh i dr. Moskva, Mosk.rabochii, 1960. 734 p. (MIRA 14:2)

1. Moscow. Oblastnoy krayevedcheskiy muzey. 2. Zamestitel' predsedatelya Moskovskogo oblastnogo obshchestva krayevedeniya (for Konovalova).

(Moscow Province--Guidebooks)

MELKAYA. Ye.N.; KONOVALOVA, K.I.; GORDON, L.V.; SKVORTSOV, S.O.

Means for increasing production of furfurole oils in wood chemistry plants. Gidrolis. i lesokhim.prom. 11 no.8:20-21 '58.

(NIRA 11:12)

1. Syavekiy lesokhimicheskiy kombinat (for Melkaya, Konovalova).
2. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut (for Gordon, Skvortsov).

(Furaldehyde)

AUTHOR:

SHOHERBOV, D.P., KONOVALOVA, K.M.

32-6-8/54

On the Colorimetric Determination of the Content of Mercury in Mercury- and Copper Diiodide. (O kolorimetricheskom opredelenii

rtuti v vide dvoynogo iodida rtuti i medi, Russian)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6, pp 663-665 (U.S.S.R.)

ABSTRACT:

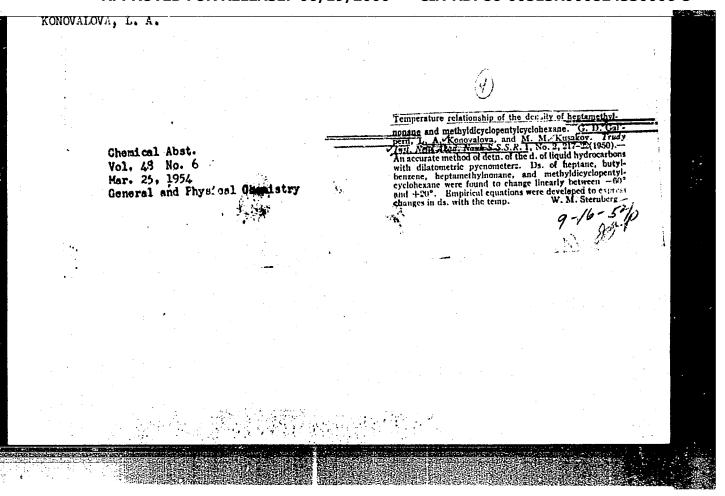
It is shown in this paper that on the occasion of the examination of the colorimetrical method for the determination of the mercury content (according to D.N.FINKEISTEIN and Mme. PYETROPAVIOVSKAYA) results were obtained that were lower than those obtained by titration with rodanide or by the distillation method (according to F.A.FYER YANGHICH). The copper icdide suspension used on this occasion was not dense enough, and discolored mercury silver dicdide and copper were precipitated too rapidly, so that comparison of the colorings of the solutions was rendered difficult. According to the method mentioned the icdide concentrations in the samples cught to have agreed with those in the standard scale, but in reality this was not the case. Two scales were worked out on the basis of the results obtained: A - with 0,2% J with a 2,0 KJ solution, and B - with an addition of 1 ml. 1% - icdine solution, i.e. with a final concentration of 0,36% J. The solutions of scale B were then colorimetrised according to the scale A, and solutions of scale A were

Card 1/2

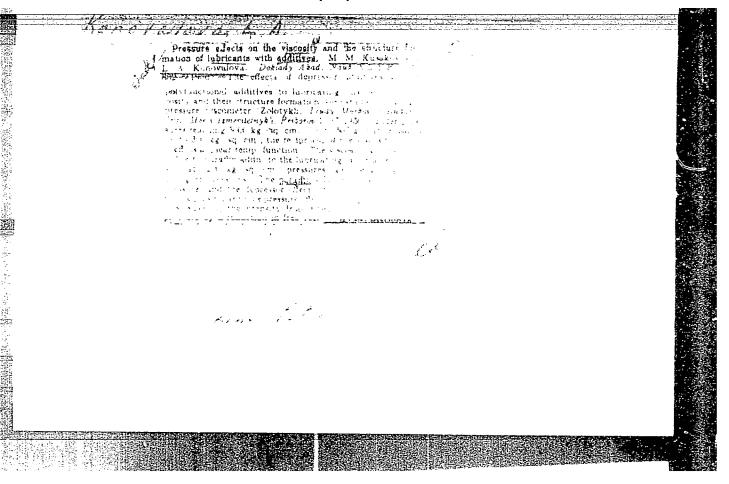
GUREVICH, E.I., inzh.; KONOVALOVA, K.N., inzh.; MYSHENKOVA, N.K., inzh.; SENCHUGOV, K.I., inzh.; SIMO, I.N., inzh.

Study of the TVF-100-2 trubogenerators manufactured by the "Elektrosila" factory. Elek. sta. 35 no.12:25-28 D '64.

(MIRA 18:2)



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Chemical Abstracts Vol. 48 No. 5 Mar. 10, 1954		Temperature relations of index of refraction and diffraction, of liquid hydrocarbons at low temperatures. G. D. Galbert, L. A. Konovalova, and M. M. Kusakov. Trudy Inst. Neft Akad. Nauk S.S. S. R. No. 2, 223-33(1950).  Obreimov's method (C.A. 39, 1585) was used, based on the
General and Physical Che	mistry	olitraction max. and min. at the boundary of a liquid/glass plate, resulting from the interference of 2 branches of a monochromatic light ray, one of which passes through the liquid, and the other through the plate. The ns and diffraction of heplamethylionane, methyldicyclopentylcyclohexane, and butylbensene changed linearly between +20 and -60°. With a sufficiently high-grade monochromator permitting the isolation of a 2-A. spectrum range, and a sufficiently great range of standard glasses, changes in the n can be detd. with a high degree of accuracy in the app. used; the accuracy of the measurements was within ±0.0001. The sp. refraction calcd. by the Lorentz-Lorenz formula is a function of the temp., and is lower at lower temps.
	* ************************************	W. M. Sternberg



KONOVALOVA, L. A.

AUTHOR: Kusakov, M.M., Konovalova L.A. and Avdeyeva, V.I.

The influence of pressure on the viscosity of solutions of some silicon-organic liquids in a mineral oil. (Vliyaniye davleniya na vyazkost' rastvorov nekotorykh kremniyorganikikh zhidkostey v mineral'nom masle.)

PERIODICAL: "Khimiya i Tekhnologiya Topliva i Masel" (Chemistry and Technology of Fuels and Inbricants) 1957, No. 4, pp. 38-41 (USSR)

ABSTRACT: The dependence of the viscosity of some solutions of polysiloxanes in a mineral oil on pressure at various temperatures was investigated. The viscosity measurements at pressures up to 3 000 kg/cm² and temperatures from 10 to 50 °C were carried out in a high pressure viscosimeter based on the principle of falling sphere (14,6). The dependence of the relative viscosfalling sphere (14,6). The dependence of the relative viscosfalling sphere (14,6). It isobars of the concentration pressure is shown in Fig. 1., isobars of the concentration pressure is shown in Fig. 1., isobars of the concentration of some individual liquids with siloxane links (bis-pentaalkyldisilanemethaneoxides with various radicals, from CH<sub>3</sub> to C<sub>4</sub>H<sub>9</sub> on the viscosity of oil AY under the same pressures and temperatures was studied in some detail. Comparatively small concentrations (up to 0.5 mol/1 000) of the above compounds dissolved in AY oil decrease the relative

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ROJENTOTATION I BOOK I BENEVITATION	Veesoyuznaya konferentsiya po treniyu i iznosu v zashinakh. 1958-	Gidrodinamicheskaya teoriya smarki, Opory skol 'zheniya, Smarki i amazochnyye materialy (Hydrodymanic 'hbery of ubbiteation. Slip Beatings, Lubrication and Lubricant Materials) Moscow. Izd-co. AN SSSR, '422 p. Erraka slip inserted. 3,800 copies printed. (Series: Its: Trudy, v. 3)	Sponsoring Agency: Akademiya nauk SSSR. Inatitut mashinovedeniya. Sponsoring Agency: Akademiya nauk SSSR. Inatitut mashinovedeniya. and Sila for the Section "Highesty", Professor, Doctor of Technical Sciences and A. K. D'yachkov, Professor, Doctor of Technical Sciences; Resp. Ed. for the Section, Filabitation and Libritan Resp. Ed. for the Section, Filabitation and Charles Section Section of Charles Section Section of Charles Section Section of Charles Section Secti	FUNDOME: This collection of articles is intended for practicing engineers and research scientists.  FUNDAMENT: The collection, published by the Institut mablino-vedenism AN SSSN (Institute of Science of Mechines, Academy Cofferings AN SSSN) contains pacers presented at the III westernisms konferenciaty pot trusty i innosu we mashined (Third All-Union Conference on Priction and West in Machines which was held APPLI 9-15, 1956. Problems discussed were in machine in the APPLI 9-15, 1956. Problems discussed were in additionant fractor (Cont.)	Pool saly Yu. Ya. Machine for Testing Wear-Resistant and Intification Properties of Lubricant Materials for Machine Contact Stresses and Sliding Speeds Sanin, F. I. Ye. S. Shepeleva, A. V. Ul'Yanova, and B. Y. Ligsmenov, Kfeet of Synthetic Additives to Prictimal Wear.	Touries, I. G. Application of the Results of West-Resistance Tests of Lubricating Olis on Machines With Point Contact of the Priction Surfaces  Wolumetric Mechanical Properties of Lubricant Materials	Wellkgrakiy, D. S. (decessed), P. I. Kardan, and Q. D. Bandarwskiy, Viscous Properties of 011 Mixtures of Different Character and of Solid Labricants obtained by Thickening.  Wellsched by Thickening  Wellsched W. P., and W. L. yil'dman, Investigation of the Viscous Poperties of Libricating Oils sith High-	Speakor M. M. L. A. <u>Ennavalor Ye. Frotofyeva,</u> and <u>Y. A. Sidoenko. Fract of Papera</u> ture and Pressure on the Viscosity of Mixtures of Mineral Jahrehaningx. S. W. Fractical Similtone of Some	Aboratory Parameters of the Mechanical Properties of Flastic Lubricants FMYLOV. P. Effects of Heat on the Flow of Plastic Lubricants	Sinitays.V. V. Boundary-Layer Sidding and Internal Priction of Plantic Libricants	An extension of the statement of the sta	
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THE REPORT OF THE PROPERTY OF

B/081/61/000/014/026/030 B105/B202

AUTHORS:

Kusakov M. M., Konovalova L. A., Prokof'yeva Ye. A.,

Sidorenko V. I.

TITLE:

Effect of temperature and pressure on the viscosity of

mixtures of mineral oils and organosilicon liquids

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 14, 1961, 543, abstract 14M249 (Tr. 3-y Vses. konferentsii po treniyu

i iznosu v mashinakh. M., AN SSSR, v. 3, 1960, 262 - 270)

TEXT: The authors present experimental data on the viscosity of the solutions of poysiloxane liquids (PL) in mineral oils at atmospheric pressure and in the temperature interval of -50 to +60° C as well as at

pressures of up to 3000 kg/cm<sup>2</sup> in the temperature interval of from +10 to +50° C. The viscosity measurements (dynamic) at atmospheric pressure and at different temperatures were made by means of the capillary viscosimeter of the type Ubbelonde and at high pressures by means of the falling-sphere viscosimeter. The components of the mixture were mineral oils MVP and the spindle oil AU as well as ethyl- and butyl polysiloxane liquids. The Card 1/3

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Effect of temperature and pressure ...

authors give temperature curves of the viscosity of the oils MVP, AU and of three PL. An addition of PL to the oils MVP and AU improves the temperature curve of their viscosity by increasing its slope in the field of low temperatures. With simultaneous addition of PL and high-molecular thickeners to the oil, the effect of PL mainly causes an increase of the temperature slope of the viscosity temperature curve; the effect of the thickener leads to an increase of the viscosity level. The effect of PL and the thickeners becomes manifest independently. For all temperatures investigated the effect of PL is the stronger the higher the pressure. The results of the study of the piezometric dependence of the viscosity of the mixture of mineral oil and PL showed that the viscosity of the mixtures at given pressure is no additive property. The deviation of the viscosity isobars from the linearity increases with increasing pressure and with increasing difference in the piezometric coefficients of viscosity of the oil and PL. With increasing pressure and at a certain ratio of the components, the viscosity isobars of the mixtures show a certain minimum. With addition of various commercial PL to the cils, the Card 2/3

S/081/61/000/014/026/030 B105/B202

Effect of temperature and pressure ...

character of the change of the relative viscosity depends on pressure and temperature. In this case relative viscosity decreases with increasing PL content in the mixture. With increasing concentration of PL in the mineral oil the piezocoefficient of viscosity decreases. Abstracter's note: Complete translation.

Card 3/3

KONOVALOVA, L.A., inzh.

Discharge delay in a regulated are gap with a gas generating igniting device. Izv. vys. ucheb. zav.; energ. 6 no.8:110-114 Ag 1.3. (MIRA 16:9)

1. Ural'skiy politechnicheskiy institut imeni Kirova.
(Electric switchgear—Testing)
(Electric discharges)

THE RESIDENCE OF THE PROPERTY ACCESSION NR: AR4036338 SOURCE: Referativny\*y zhurnal. Geofizika, Abs. 3B465 s/0169/64/000/003/B072/B072 AUTHOR: Isherskaya, Ye. V.; Konovalova, L. A. TITLE: Microclimate of a river valley of the Volga slope of the Volga Highlands CITED SOURCE: Sb. Materialy\* 1-go Nauchno-tekhn. soveshchaniya po izuch. Kuyby\*shevsk. vodokhranilishcha. Vy\*p. 2. Kuyby\*shev, 1963, 71-80 TOPIC TAGS: climate, microclimate, microclimate survey, atmospheric surface layer, atmospheric temperature gradient, atmospheric temperature, atmospheric humidity TRANSLATION: A microclimatic survey was made using an automobile which carried an automatic meteorograph which recorded air temperature and humidity in the surface layer. The study discusses the microclimatic indices of the following relief features: a) the lower surface of the Volga Highlands on drainage divides; b) plateau slopes of different degree of dissection and exposure descending to the valleys; c) the Khazarskaya terrace of the valleys; d) the Khvalynskaya Card 1/3 

ACCESSION NR: AR4036338

terrace; and e) the recent floodplain terrace. At nighttime, in the predawn hours, the air temperature distribution in the surface layer conforms to the topographic profile. The valleys are 2-30 colder than the plateau. Within a valley there is smoothing of the microclimatic differences. The vertical temperature gradient in the layer of the first 50 meters from the surface of the soil is close to zero. On valley slopes temperature increases with height; the vertical temperature gradient is -5 - -60/100 m. On the plateau temperature variations do not exceed 1°. The distribution of relative humidity conforms to the topographic profile, but has an opposite sign in comparison to the temperature distribution. In the valleys the relative humidity is 20% (sometimes 50%) higher than on the plateau. In the evening the cooling of valleys and the formation of inversions in the valleys begins immediately after sunset; in the first hours of the night the terraces above the floodplains are warmer than the floodplains. The frosts on the terraces above the floodplains are of shorter duration than on the floodplains. In the evening hours, even before the onset of a temperature change, there is a sharp increase of humidity in topographic depressions. This can be

card 2/3

attributed to the informing over the fitemperature and hur relief. There is the attributed to a daytime increase of valleys the sums of on open plateaus.	midity is no tempera considera temperat	uniform and has ture increase i ble vertical he ures and with c emperatures in	little dependence n topographic depr at exchange. In t	essions, which can he absence of a time cooling in the are greater than	
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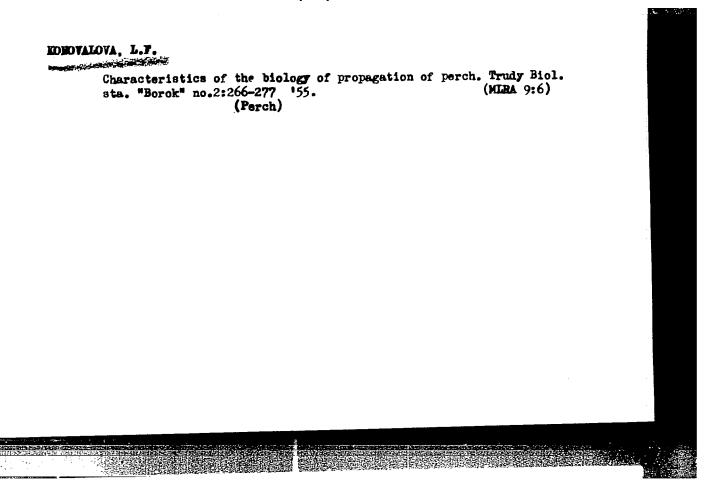
MISAKOV, M.M.; KOMOVALOVA, L.A.; KONSTANTINOV, A.A.

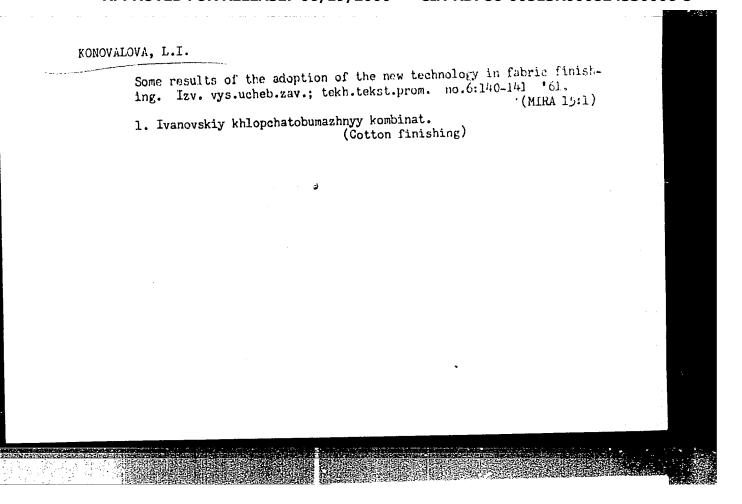
High-pressure rotary viscosimeter for small amounts of liquid.
Inzh.-fiz. zhur. 7 no. 3:27-33 Mr '64. (MIRA 17:5)

1. Institut neftekhimicheskogo sinteza AN SSSR, Moskva.

MONOVALOTA, L. F. -- "Biclogical Characteristics of Perchas a Gommonent of Lake Tenthyofanna." Sub 7 dam 53, Monest Twendical Inst of the Fish Industry and Economy imeni A. I. Mikojan. (Dissertation for the Degree of Candidate in Hiolo ical Sciences).

So: Verchernaya Monkva January-December 1982





PROROKOV, N.I.; KONOVALOVA, L.I.; KUDRYASHOVA, A.A.

Experience in the use of the new methods for fabric finishing.

Tekst. prom. 24 no.3:58-61 Mr 164. (MIRA 17:9)

1. Direktor Ivanovskogo khlopchatobumazhnogo kombinata imeni F.N. Samoylova (for Prorolow). 2. Zaveduyushchiy khimicheskoy laboratoriyey Ivanovskogo khlopchatobumazhnogo kombinata (for Konovalova). 3. Nachalinik opytno-proizvodstvennoy laboratorii Ivanovskogo khlopchatobumazhnogo kombinata (for Kudryashova).

NOVIKOV, A.G.; KONOVALOVA, L.I.; FADEYEVA, T.M.

Continuous dyeing with insoluble azo dyes with partial drying of the fabric after "azotolation." Tekst.prom. 25 no.11:69-70 N . 65. (MIRA 18:12)

1. Glavnyy inzhener Ivanovskogo khlopchatobumazhnogo kombinata imeni Samoylova (for Novikov). 2. Zaveduyushchiy khimicheskoy laboratoriyey Ivanovskogo khlopchatobumazhnogo kombinata imeni Samoylova (for Konovalova). 3. Starshiy inzhener-khimik Ivanovskogo khlopchatobumazhnogo kombinata imeni Samoylova (for Fadeyeva).

5.3610

77394 SOV/79-30-1-55/78

AUTHORS:

Konovalova, L. L. Ust'-Kachkintsev, V. F.

TITLE:

Concerning the Reaction Between Thiocyanate Esters and

Amines

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol 30, Nr 1, pp 246-

250 (USSR)

ABSTRACT:

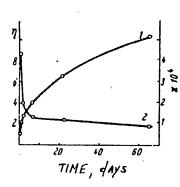
Reaction between ethyl thiocyanate and aniline, piperidine, and dimethylaniline was studied by measuring the densities, viscosities, and electrical conductivities of the mixtures of ethyl thiocyanate with amines. The results of the measurements are given in Figs. 1, 2, 3, 4,

5, and 6.

Card 1/5

Concerning the Reaction Between Thiocyanate  $\cdot$  Esters and Amines

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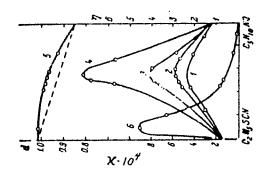


Fig. 1. Change in viscosity (1) and electrical conductivity (2) of a 50% mixture of ethyl thiocyanate with piperidine with time, at 25°.

Fig. 2. System ethyl thiocyanate--piperidine, at 25°. (1-4) Viscosity after 1, 2, 7, 20 days; (5) density after 1 day; (6) electrical conductivity after 1 day.

Card 2/5

Concerning the Reaction Between Thiocyanate Esters and Amines

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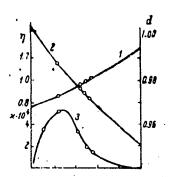


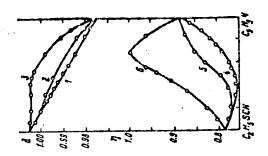
Fig. 3. System ethyl thiocyanate-- Fig. 4. System ethyl thiocyaniline, at 25°. (1) Viscosity after nate--dimethylaniline, at 25°. 1 day; (2) density after 1 day; (3-5) (1) Viscosity; (2) density; (3) electrical conductivity after 1, 15, electrical conductivity after 8 140 days. Card 3/5

months.

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Concerning the Reaction Between Thiocyanate Esters and Amines

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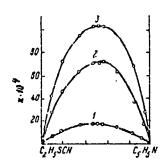


Fig. 5. System ethyl thiocyanate-pyridine, at 25°. (1-3) Densities after 1 day, 2 months, 1.5 years; (4-6) viscosity after 1 day, 2 months, 1.5 years. Card 4/5

Fig. 6. Electrical conductivity of the mixture: ethyl thiocyanate--pyridine. (1,2) After 2 months and 1.5 years, at 25; after 1.5 years at 50°.

s/137/62/000/005/091/150 A006/A101

AUTHOR:

Konovalova, L. L.

TITLE:

Changes in the mechanical properties of steel during its polarization

in some non-aqueous solutions

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 53, abstract 51310

("Uch zap. Permsk. un-t", 1961, v. 19, no. 1, 51 - 54)

The author studied changes in the rupture strength of a steel wire TEXT: after cathodic polarization in water-alcohol, water-glycerin and water-dioxane solutions of 0.1 n. H2SO4 and in mixtures of CH3COOH with aniline. In polarization of steel in pure H2504 solutions its rupture strength changes slightly, independent of the solvent composition. The introduction of a hydrogenization catalyst (Se dioxide) reduces the rupture strength of the steel. However, the effect of Se compounds is weaker than that of aqueous solutions. In mixtures of CH3COOH with aniline, hydrogenization of the wire grows with increasing relative concentration of aniline.

T. Rumyantseva

[Abstracter's note: Complete translation]

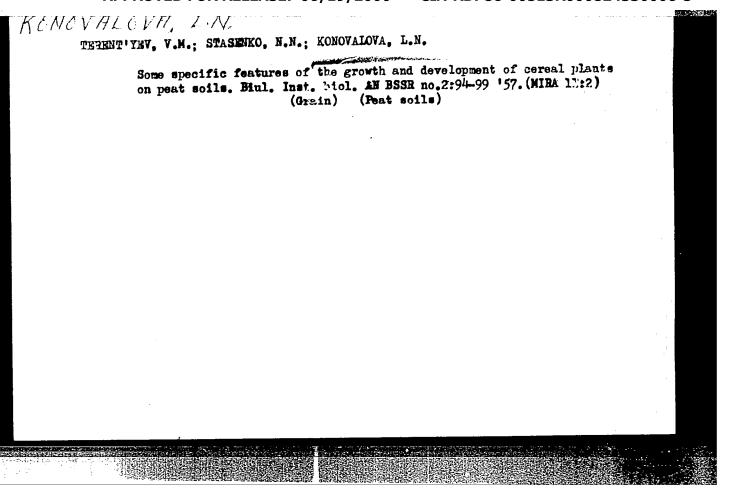
Card 1/1

FROL'TSOVA, A.Ye.; ASTAF'YEV, B.A.; KONOVALOVA, I.M.

Search for specific trichinelliasis therapy. Report No.1: Acrichine, chlorophos, monomycin and a growth promoting substance of pstroleum origin in experimental trichinelliasis of rats. Med. paras.i paraz.bol. 34 no.4:387-389 JL-Ag 65.

(MIRA 18:12)

1. Klinicheskiy otdel i laboratoriya biologii gelimintov i spetsificheskogo deystviya preparatov Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imani Ye, I. Martsinov—skogo Ministerstva zdravookhraneniya SSSR, Moskva, Submitted March 21, 1965.



Results of investigating exchange samples of coal by the method of international classification. Obog.i brik.ugl. no.ll:16-23 '59.

(Coal--Grading)

KOZKO, A.I., inzh.; KOMOVALOVA, L.N., inzh.; Prinimali uchastiye: RYUKINA,
A.A.; PONOMAREVA, L.A.; GIREVA, L.M.

Comparative evaluation of methods for determining the coking capacity of coals. Obog.i brik.ugl. no.14.47-76 160.

(Coal—Testing)

KOZKO, A.I., inzh.; KONOVALOVA, I.N., inzh.

Results of the testing of coal samples of the U.S.S.R. and of the countries of People's Democracies y means of the methods of international classification. Obog.i brik.ugl. no.15:58-61 '60. (MIRA 14:12)

(Coal...Testing)

TERENT'YEV, V.M.; KONOVALOVA, L.N.

Effect of the moisture regime of peat soils on the formation of substances composing the mechanical tissues of plants. Dokl. AN BSSR 5 no.11:511-514 N •61. (MIRA 15:1)

1. Predstavleno akademikom AN BSSR T.N.Godnevym.
(Plants--Water requirements) (Lignin) (Cellulose)

KONOVALO A, L. P.

KONOVALOVA, L. P.: "Alcoholization of the diaphragmal nerve in young

and preschool children in primary and tubercular pneumonia." Acad Med Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Sciences.)

Source:

Knizhnaya letopis'

No 40

1956

Moscow

MONOVALOVA, L.P.; OKHRIMENKO, L.S.; STRUGAL'SKIY, Z.S.

Determining the energy of gamma-ray quanta in a xenon bubble chamber. Prib. 1 tekh.eksp. 6 no.6:26-31 N-D '61.

(MIRA 14:11)

1. Ob"yedinennyy institut yadernykn issledovaniy. 2. Institut yadernykn issledovaniy. Varshava (for Strugal'skiy).

(Dubble chamber)

(Gamma rays)

## KUNOYALOVA. L. V.

Dissertation defended for the degree of Candidate of Philosophical Sciences at the Institute of Philosophy (196%)

"Category of Duty in Marxist-Leninist Epochs."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

KONOVALOVA, M.; ZVIYEDRIS, D. [Zviedris, D.]

Effect of hydrogen sulfide baths on the peripheral and cerebral blood circulation in hypotension. Vestis Latv ak no.3:97-104 162.

1. Institut eksperimental noy i klinicheskoy meditsiny AN Latviyskoy SSR.

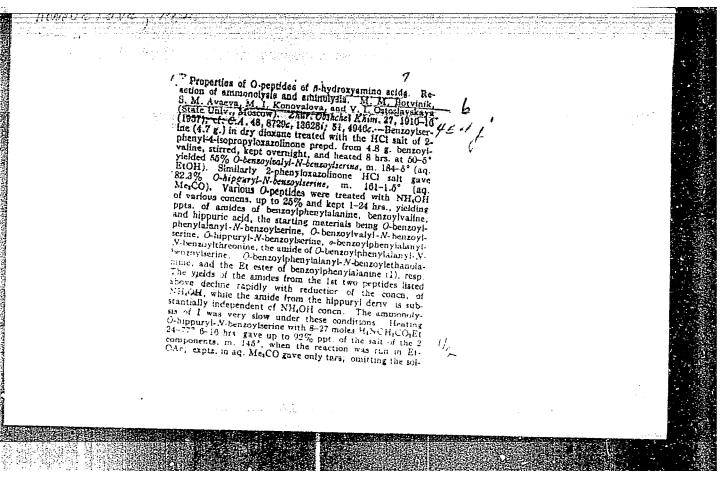


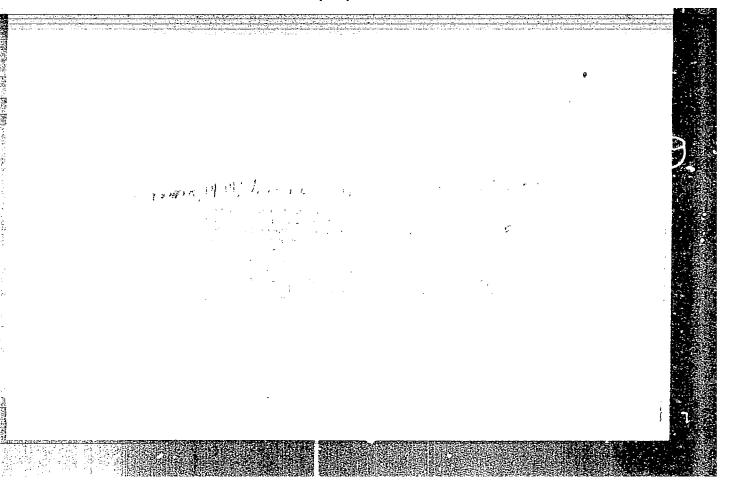
RUDAKOV, A.G.; OGURTSOV, K.I.; KONOVALOVA, M.A.

Dynamic characteristics of direct waves in finely stratified structures (shales). Vop.din.teor.raspr.seism.voln. no.2: 133-156 '59.

(Seismometry)

(Seismometry)





# Synthesis of H-+(& asparagile)-D-glucosamine, O-&-methyl-N-(cl-methyl-&-L-asparagile)-D-glucosaminide and their derivatives. Isv. AN SSSR. Otd. khim. nauk no.1:124-128 '63. (MIRA 16:1) 1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR. (Glucosamine)

KONOVALOVA, M. K. -- "Influence of Kemeri Mineral Drinking Water, Which was Discovered in 1948, on Certain Aspects of the Water-Salt Exchange." Acad Sci Latvian SSR Inst of Experimental Medicine, 1954 (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Izvestiva Ak. Nauk Latvivskov SSR, No. 9, Sept., 1955

KONOVALOVA, M. K.

# Effect of hydrogen sulfide baths on artherial blood pressure, electroplethysmogram of the brain and peripheral vessels. Report 1. Vestis Latv ak no.10:171-176 '59. 1. Akademiya nauk Latviyskoy SSR, Institut eksperimental'noy meditsiny. (HYDROGEN SULFIDE) (BATHS, MEDICATED) (BLOOD PRESSURE) (PLETHISMOGRAPH)

Effect of the mineral water from Adamova Spring on the stomach secretory and evacuatory functions. Vestis Latv ak no.1:153-159 (EEAI 9:11)
'60.

1. Akademiya nauk Latviyekoy SSR, Institut eksperimental'noy meditsiny.

(IATUA\_MINERAL WATERS)

(STOMACH)

# Effect of dibazol on certain indexes of peripheral and cerebral circulation of the blood. Vestis Latv ak no.2:161-164 \*60. (EEAI 10:1) 1. Akademiya nauk Latviyskoy SSR, Institut eksperimental\*noy meditsiny. (BLOOD) (DIBAZOL)

# KONOVALOVA, M. (Riga)

Reflexive effect of Kemeri drinking mineral water on the size of the spleen. Vestis Latv ak no.6:167-172 \*60.

(EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut eksperimental noy medit-

(REFLEXES) (LATVIA-MINERAL WATERS) (SPLEEN)

17(2)

SOV/16-59-6-27/46

AUTHORS:

Grif, F.S. and Konovalova, M.P.

TITLE:

The Duration of Viability of Shigella Shigae in Excretia. Author's

PERIODICAL:

Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6,

ABSTRACT:

The authors carried out tests to determine the viability of Shigella shigae in stools and the chances of culturing them at various periods of time after the sample has been taken. The results showed that it is not essential to culture the stool samples in the first 1-2 hours after defecation, nor to resort to preserving agents, since the Shigella can survive for long periods (5-63 days). On the first or second day after defecation the Shigella shigae could be cultured in 85.3% of the cases (where, naturally, the original stool sample was positive). The microbes could be cultured in the remaining 14.7% of the cases by subcultures on a nutrient medium. Thus, after the first obligatory cultivation of stool

Card 1/2

samples on the first day that they arrive in the laboratory, it is

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SOV/16-59-6-27/46

The Duration of Viability of Shigella Shigae in Excretia. Author's Summary.

necessary to subject suspect samples to reculture on the second day to test for the presence of Shigella shigae.

ASSOCIATION:

Sanitarno-epidemiologicheskaya stantsiya petrogradskogo rayona Leningrada (Sanitary-epidemiological Station of the Petrograd District of Leningrad)

SUBMITTED:

August 13, 1958

Card 2/2

IVANOV, A.V.; POTIYEVA, N.H.; OSIPOVA, R.P.; KONOVALOVA, M.V.

Stratigraphy, and oil and gas potentials of Permian sediments in the southeastern part of the Pechora Depression and upper Pechora Valley. Trudy VHICRI no.133:204-232 '59.

(MIRA 13:1)

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(Pechora Valley--Petroleum geology) (Pechora Valley--Gas, Matural--Geology)

KONOVALOVA, M.V.

New Late Carboniferous and Early Permian fusulinids in the Timan-Pechora region. Paleont.zhur. no.1:47-57 62. (MIRA 15:3)

## "APPROVED FOR RELEASE: 06/19/2000 CIA

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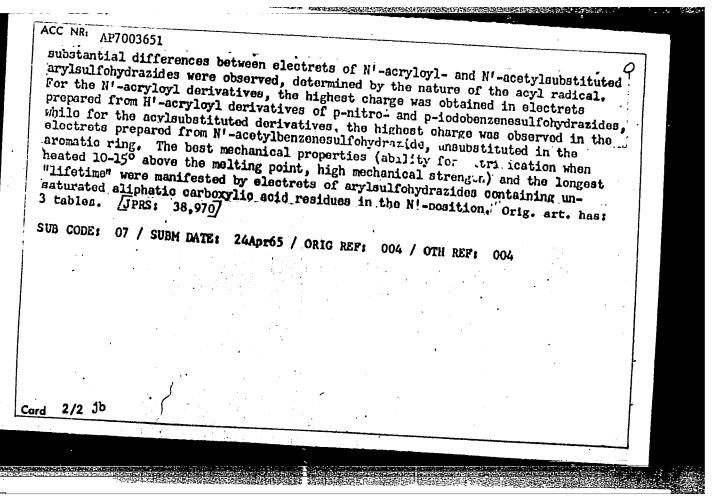
KONOVALOVA, M.V.

New species of Sakmara Foraminifera of the Timan-Pechora area. Paleont. shur. no.3:16-23 '62. (MIRA 15:9)

1. Ukhtinskoye geologicheskoye upravleniye. (Pechora Valley—Foraminifera, Fossil) (Timan Ridge—Foraminifera, Fossil)

("1116VIM8"U Were Lound to depend upon the motion of property."

Card 1/2 UDC: 621.319.2:547.583.6:547.583.2



DZHIDZHELAVA, A.B.; KONOVALOVA, M.Ya.; KOSTENKO, V.I.; DYKHAKOV, N.N.

Study of organic electrets. Part 1: Hydrazides of aromatic sulfonic acids. Zhur. ob. khim. 35 no.5:831-833 My '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel skiy institut menekristallov, atsintillyatsionnykh materialov i osobo chistykh khimicheskikh veshchestv, Khar kov.

KONOVALOVA M.Z.

Electronarcosis in the treatment of skull and brain injuries. Zdrav. Kazakh. 17 no.9:35-39 '57. (MIRA 12:6)

1. Iz kliniki obshchey khirurgii Kazakhskogo gosudarstvennogo meditsinskogo instituta i Instituta khirurgii AN KazSSR.

(BRAIN--WOUNDS AND INJURIES)(KLUCTRIC ANESTHISIA)

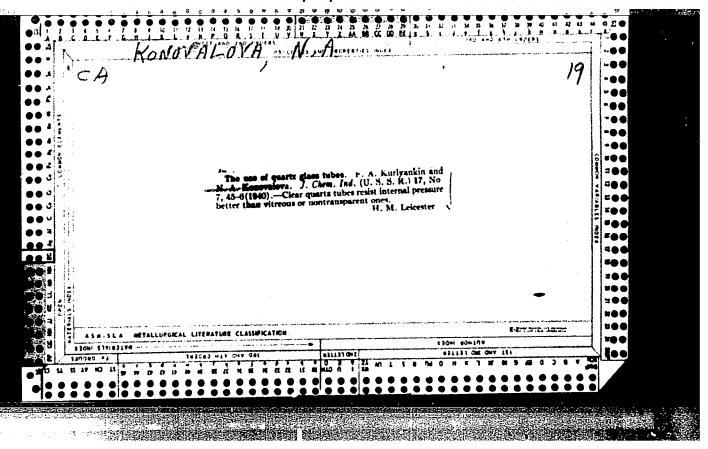
YEVDOKIMOVA, N.S.; KONOVALOVA, M.Z.

Phagocytic reaction in patients with meaumatic fever. Zdrav. Kasakh. 21 no.1:40-43 '61. (MIRA 14:3)

l. Is kafedry mikrobiologii (zav. - professor E.I.Shtikkel') i kafedry fakul'tetskoy terapii (zav. - dotsent Ye.A.Mezenchuk) Kazakhskogo meditsinskogo instituta. (PHAGOCYTOSIS) (RHEUMATIC FEVER)

APPRIOR STREET

aner.



. KCNOVALOVA, NA.

USSR/Chemical Technology - Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62265

Author: Kurlyankin, F. A., Konovalova, N. A.

Institution: None

Title: Mechanical Strength of Quartz Glass at Different Temperatures

Original

Periodical: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1955, No 34, 58-67

Abstract: Investigation of mechanical properties of transparent and opaque quartz glasses at 20-1,200°. Transparent quartz glass of composition (in \$): SiO<sub>2</sub> 99.9; R<sub>2</sub>O<sub>3</sub> 0.01; CaO 0.01; MgO 0.005; R<sub>2</sub>O 0.02; extraneous admixtures 0.20. Opaque quartz glass of composition (in \$): SiO<sub>2</sub> 0.05; R<sub>2</sub>O<sub>3</sub> 0.00; CaO<sub>3</sub> 0.00; CaO<sub>3</sub>

(\*): SiO<sub>2</sub> 99.5; R<sub>2</sub>O<sub>3</sub> 0.30; CaO 0.21; MgO 0.03; extraneous admixtures 0.15; R<sub>2</sub>O not determined. Investigated was the bending strength of specimens of the transparent glass in the shape of rods of circular cross sections 10-14 mm in diameter, 110 mm long, with fused surfaces, and of opaque glass in the shape of bars with square

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USSR/Chemical Technology - Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62265

Abstract: cross section, measuring 15 x 15 x 110 mm with ground sides. Mean value of bending strength of transparent quartz glass (at 230) was 1,131.2 kg/cm<sup>2</sup>, that of the opaque glass 455 kg/cm<sup>2</sup>. The tests revealed that bending strength of both transparent and opaque quartz glass increases with rising temperature already at 2000 and at 1,200° it is increased, in comparison with its value at 200°, by 36% in the case of opaque glass and by 52% in the case of the transparent. A study was made of the resistance of quartz glasses to impact flexure; tested were specimens in the form of square cross section bars, with ground surfaces, measuring 15 x 15 x 115 (transparent) and 22.5 x 22.5 x 115 mm (opaque). Breaking energy on impact flexure (at ordinary temperature) was of 0.85 kGm/cm2 for opaque glass and 1.08 kGm/cm<sup>2</sup> for transparent glass. With increase in temperature it increased and at 1,2000 attained, respectively, 1.48 and 1.74 kGm/cm<sup>2</sup>. Polished specimens had a strength exceeding by 12% that of ground specimens. Tensile strength determined at ordinary temperature was of 226 kg/cm<sup>2</sup> for opaque and of 734 kg/cm<sup>2</sup> for transparent glass. With increase in temperature tensile

Card 2/3

USSR/Chemical Technology - Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62265

Abstract: strength increased and rose at 1,200° by 74% in the case of the opaque glass and by 60% in the case of the transparent glass. Compression strength of quartz glass samples in the shape of cubes with 25 mm edges and ground surfaces was at ordinary temperature 3,122 kg/cm² for the opaque glass and 6,556 kg/cm² for the transparent. Strength of polished specimens was 8-10% higher. Lower strength of opaque glass as compared with the transparent is due to chemical heterogeneity (unfused quartz granules) and greater amount of small bubbles (300,000 to 900,000 bubbles per one cm³, the volume of the voids amounting to 4-5%). Chemical heterogeneity and bubbles are the cause of the formation of internal fissures which contribute to the breakdown of the glass. Increase in mechanical strength of quartz glass with increasing

temperature is due to decreasing brittleness of the material.

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